

Adding and Subtracting Non Variable Radicals with Square Roots

For this online assessment, copy the problems onto a sheet of paper and work them out by hand. Submit your written work in class after you use it to complete this online assessment.

Your username (**tom_vizza@sdst.org**) will be recorded when you submit this form. Not **tom_vizza**?

[Sign out](#)

* Required

Last Name *

First Name *

1. Please simplify the following with an exact value. *

- ☐ A
- ☐ B
- ☐ C
- ☐ D

$$6\sqrt{21} - 3\sqrt{7} + 2\sqrt{21} - \sqrt{7}$$

A. $8\sqrt{21} - 4\sqrt{7}$ B. $8\sqrt{21} + 4\sqrt{7}$ C. $4\sqrt{14}$ D. $-32\sqrt{147}$

2. Please simplify the following with an exact value. *

- ☐ A
- ☐ B
- ☐ C
- ☐ D

$$4\sqrt{8} - 3\sqrt{2}$$

A. $5\sqrt{2}$ B. $\sqrt{6}$ C. $-12\sqrt{16}$ D. $8\sqrt{4} - 3\sqrt{2}$

3. Please simplify the following with an exact value. *

- ☐ A
☐ B
☐ C
☐ D

$$\sqrt{80} - \sqrt{11} + 3\sqrt{45} + 3\sqrt{11}$$

A. $26\sqrt{55}$ B. $15\sqrt{16}$ C. $4\sqrt{11} + 13\sqrt{5}$ D. $2\sqrt{11} + 13\sqrt{5}$

4. Please simplify the following with an exact value. *

- ☐ A
☐ B
☐ C
☐ D

$$3\sqrt{54} + 2\sqrt{96} - 5\sqrt{50}$$

A. $16\sqrt{3}$ B. $-8\sqrt{6}$ C. $17\sqrt{6} - 25\sqrt{2}$ D. $18\sqrt{9} - 12\sqrt{16} - 30\sqrt{25}$

5. Please simplify the following with an exact value. *

- ☐ A
☐ B
☐ C
☐ D

$$\sqrt{175} - \sqrt{48} + \sqrt{11}$$

- A. $\sqrt{138}$ B. $7\sqrt{25} - 16\sqrt{3} + \sqrt{11}$ C. $5\sqrt{7} - 4\sqrt{3} + \sqrt{11}$ D. $\sqrt{175} - 4\sqrt{3} + \sqrt{11}$

☐ Send me a copy of my responses.

Submit

Never submit passwords through Google Forms.

Powered by
 Google Drive

This form was created inside of School District of Springfield Township.

[Report Abuse](#) - [Terms of Service](#) - [Additional Terms](#)